## LISTING OF CLAIMS

1.      (Previously Presented)  Method for displaying data of a machine control system comprising:

receiving status data for at least one element of the system, which represent at least one physical state variable;

representing the status data which have been received for the element;

representing a circuit diagram, which displays, at least for the element, an electrical connection of the element to other individual elements in the system;

where the representation of the status data which have been received for the element occurs in the represented circuit diagram.

2.      (Original)  Method according to Claim 1, where the representation of the circuit diagram occurs using a characterization, which has been stored for the element, and associated connection data, which represent the electrical connection of the element in the system.

3.      (Original)  Method according to Claim 2, where the characterization allows the association of the element with its status data.

4.      (Previously Presented)  Method according to Claim 1, where the status data are displayed one of at or on the represented element in the circuit diagram.

5.      (Previously Presented)  Method according to Claim 1, where the step of receiving the status data also comprises an identification of elements, which are to be represented in the circuit diagram, where the representation of the status data for the identified elements occurs.

6.      (Previously Presented)  Method according to Claim 1, where, in response to user input, which establishes a preset value for the represented status data, the preset value is set as a value for the corresponding state variable in the machine control system.

7.      (Previously Presented)  Method according to Claim 1, where corresponding target values are displayed with the status data for the element.

8.      (Previously Presented)  Method according to Claim 1, where corresponding limit values are displayed with the status data for the element.

9.      (Previously Presented)  Method according to Claim 1, where previous status data for the element are represented, which indicate at least one previous value for the state variable.

10-12. (Canceled)

13.      (Previously Presented)  Method according to Claim 2, where the step of receiving the status data also comprises an identification of elements, which are to be represented in the circuit diagram, where the representation of the status data for the identified elements occurs.

14.      (Previously Presented)  Method according to Claim 2, where, in response user input which establishes a preset value for the represented status data, the preset value is set as a value for a corresponding state variable in the machine control system.

15.      (Previously Presented)  Method according to Claim 5, where, in response to the user input which establishes a preset value for the represented status date, the preset value is set as a value for the corresponding state variable in the machine control system.

16.      (Previously Presented)  Method according to Claim 2, where corresponding target values are displayed with the status data for the element.

17.      (Previously Presented)  Method according to Claim 2, where corresponding limit values are displayed with the status data for the element.

18.    (Previously Presented)  Method according to Claim 7, where corresponding limit values are displayed with the status data for the element.

19.    (Previously Presented)  Method according to Claim 7, where previous status data for the element are represented which indicate at least one previous value for the state variable.

20.    (Previously Presented)  Method according to Claim 8, where previous status data for the element are represented which indicate at least one previous value for the state variable.

21.    (Previously Presented)  Device for displaying data of a machine control system, said device comprising:

receiving means for receiving status data for at least one element of the system, which represent at least one physical state variable;

representing means for representing the status data which have been received for the element and for representing a circuit diagram, which displays, at least for the element the electrical connection of the element to other individual elements in the system;

where the representation of the status data which have been received for the element occurs in the represented circuit diagram.

22.    (Previously Presented)  Device according to claim 21, where the device is a mobile end device, which is used for one of the startup process, maintenance or error diagnosis of a machine control system.

23.     (Previously Presented) A system comprising a device in combination with a machine control system, wherein said device is adapted to display data of the machine control system, said device comprising:

receiving means for receiving status data for at least one element of the system, which represent at least one physical state variable;

representing means for representing the status data which have been received for the element and for representing a circuit diagram, which displays, at least for the element, the electrical connection of the element to other individual elements in the system;

where the representation of the status data which have been received for the element occurs in the represented circuit diagram.